

**GROUPING OF STORAGE MEDIA BASED ON PARAMETERS  
ASSOCIATED WITH THE STORAGE MEDIA**

**Abstract of the Disclosure**

Storage media of a storage system are grouped into one or more groups based upon parameters associated with the storage media. Various parameters may be taken into consideration depending upon the criteria selected for the grouping. At least one grouping criterion is selected, and based on the grouping criterion, one or more parameters are measured. Then, using the measured data, a plurality of storage media are placed into one or more groups. The groups may then be used to form Redundant Array of Independent Disks (RAID) arrays employed in the storage system.